DECLARATION FOR UTILITY OR			LITUITY OR	Attorney Docket Number	47-17 US		
DECLARA	DES			First Named Inventor	Terence Neil Thomas		
	PATENT APPLICATION (37 CFR 1.63)			COMPLETE IF KNOWN			
•	o, o		Declaration Submitted After Initial Filing	Application Number			
☑ Declaration Submitted With Initial Filing	OR			Filing Date			
				Group Art Unit			
			(37 CFR 1.16(e) Required)	Examiner Name			

As a below named inventor, I hereby declare that:							
My residence, post office address, and citizenship are as stated below next to my name.							
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:							
	CALCULATI	NG AP	PARATUS HAVING A F	LURAL	ITY OF STAGES	.	
the specification of w	hich						
is attached here	to OR						
as filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Numberand was amended on (MM/DD/YYYY)							
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.							
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.							
Prior Foreign			Foreign Filing Date			Certified Cop	y Attached?
Application Number(s)	Country		(MM/DD/YYYY)	Priority Not Claimed		Yes	No
☐ Additional foreign application numbers are listed on a supplementary priority data sheet (PTO/SB/02B) attached hereto:							
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.							
Application Number(s)		F	Filing Date (MM/DD/YYYY)		Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.		



Attorney Docket No. 47-17 US

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

I hereby appoint Practitioners at Customer Number

25319

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Direct all correspondence to:

Gordon Freedman, Reg. No. 41,553

Freedman & Associates

117 Centrepointe Drive, Suite 350 Nepean, Ontario, K2G 5X3 Canada

Tel: 613-274-7272 Fax: 613-274-7414

I hereby declare that all statements made herein of my own knowledge are true and that all statements were made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVEN	☐ A petition has been filed for this unsigned inventor					
Given Name			Family Name			
(first and middle [if any]) Te	erence Neil		or Surname	Thomas	·	
Inventor's 7/11/	lons	·		Date 3 n	2001	
Residence: City Ottawa	Prov. ON	Country	Canada	Citizenship	() Canadian	
Mailing Address 45 Kings Landing Pvt., Ottawa, Ontario, K1S 5P8, Canada						
Mailing Address						
City	State	ZIP		Country		
NAME OF SECOND INVENTOR:	. □ A petition has been filed for this unsigned inventor					
Given Name			Family Name		<u> </u>	
(first and middle [if any]) St	tephen J.		or Surname	Davis		
Inventor's Signature				Date Wa	102/2001	
Residence: City Nepean	Prov. ON	Country	Canada	Citizenship	<i>'</i> (Canadian	
Mailing Address 14 Wiltshire Circle, Nepean, Ontario, K2J 4L1, Canada						
Mailing Address						
City	State	ZIP	-	Country		
Additional Inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto						